

Title (en)
INK JET RECORDING METHOD AND APPARATUS

Title (de)
TINTENSTRAHLAUFEICHNUNGSVERFAHREN UND VORRICHTUNG

Title (fr)
PROCÉDÉ D'ENREGISTREMENT À JET D'ENCRE ET APPAREIL

Publication
EP 3473447 A1 20190424 (EN)

Application
EP 18197901 A 20181001

Priority
• JP 2017200732 A 20171017
• JP 2018157320 A 20180824

Abstract (en)
To provide an ink jet recording method using facedown discharge and capable of obtaining a recorded matter being suppressed a generation of minus curl. The method provided is an ink jet recording method including a step of recording an image on a recording medium having a first surface and a second surface by ejecting an aqueous ink from a recording head. This method further includes, after the recording step, a step of discharging the recording medium while placing the first surface or the second surface on which the image has been recorded last on a gravitationally lower side. In this method, the aqueous ink has a viscosity · 1 of 5.0 mPa·s or more and a difference · 2 -- 1 between a viscosity · 2 of an evaporated ink obtained by evaporating 20% by mass of the aqueous ink and the viscosity · 1 of the aqueous ink is 4.0 mPa·s or more.

IPC 8 full level
B41J 11/00 (2006.01); **B41J 13/10** (2006.01); **B41M 5/00** (2006.01)

CPC (source: CN EP US)
B41J 2/01 (2013.01 - CN); **B41J 11/0005** (2013.01 - EP US); **B41J 11/0015** (2013.01 - US); **B41J 13/106** (2013.01 - EP US); **B41M 5/00** (2013.01 - CN); **B41M 5/0023** (2013.01 - EP US); **C09D 11/30** (2013.01 - CN); **C09D 11/102** (2013.01 - US); **C09D 11/106** (2013.01 - US); **C09D 11/107** (2013.01 - US); **C09D 11/30** (2013.01 - US)

Citation (applicant)
• JP 2005298813 A 20051027 - CANON KK
• JP 2005320509 A 20051117 - RICOH KK

Citation (search report)
• [XA] US 2014292974 A1 20141002 - KODAMA HIDETOSHI [JP], et al
• [XA] US 2009102908 A1 20090423 - IMOTO SHINJI [JP]
• [XA] US 2013257957 A1 20131003 - ITOGAWA YOSHIHIRO [JP]

Cited by
EP4194517A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3473447 A1 20190424; **EP 3473447 B1 20200513**; CN 109664614 A 20190423; CN 109664614 B 20201113; US 10654288 B2 20200519; US 2019111711 A1 20190418

DOCDB simple family (application)
EP 18197901 A 20181001; CN 201811210899 A 20181017; US 201816138432 A 20180921